

**U.S. DEPARTMENT OF LABOR  
WORKPLACE STANDARDS ADMINISTRATION  
BUREAU OF LABOR STANDARDS  
MATERIAL SAFETY DATA SHEET**

*DPM 5359-3635*

FORM NO. OSHA-20 (MODIFIED)  
MAY 1971

FEB 08 1982 MDC CONTROL NO. \_\_\_\_\_

**SECTION I: MATERIAL AND MANUFACTURER IDENTIFICATION**

MANUFACTURER'S NAME <b>DeSoto, Inc.</b>		EMERGENCY TELEPHONE NO.
ADDRESS (NUMBER, STREET, CITY, STATE AND ZIP CODE) <b>Fourth and Cedar Streets, Berkeley, California 94710</b>		
CHEMICAL NAME AND SYNONYMS <b>Pigmented Polyester</b>	TRADE NAME AND SYNONYMS <b>Polyurethane Abrasion Resistant Enamel</b>	
CHEMICAL FAMILY <b>Polyester</b>	FORMULA <b>822T203</b>	

**SECTION II: HAZARDOUS INGREDIENTS\***

PAINTS, PRESERVATIVES/SOLVENTS	%	TLV (UNITS)	ALLOYS AND METALLIC COATINGS	%	TLV (UNITS)
PIGMENTS <b>Titanium Dioxide</b>	<b>20.5</b>		BASE METAL		
CATALYST			ALLOYS		
VEHICLE <b>Polyester</b>	<b>27.5</b>		METALLIC COATINGS		
SOLVENTS <b>See below</b>	<b>52.0</b>		FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS					
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES*				%	TLV (UNITS)
<b>Solvents include: Butyl Acetate, Ethyl Acetate, Methyl Isobutyl Ketone</b>					

**SECTION III: PHYSICAL DATA**

BOILING POINT (°F)	<b>171</b>	SPECIFIC GRAVITY (H <sub>2</sub> O = 1)	<b>1.142</b>
VAPOR PRESSURE (mm Hg.) <b>Approx.</b>	<b>100</b>	PERCENT VOLATILE BY VOLUME (%)	<b>67.6</b>
VAPOR DENSITY (AIR = 1)		EVAPORATION RATE (Butyl Acetate = 1)	<b>6.15</b>
SOLUBILITY IN WATER <b>Insoluble</b>			
APPEARANCE AND ODOR <b>Gray liquid, ester odor</b>			

**SECTION IV: FIRE AND EXPLOSION HAZARD DATA**

FLASH POINT (METHOD USED) <b>45°F TOC</b>	FLAMMABLE LIMITS	Lel	Uel
EXTINGUISHING MEDIA <b>CO<sub>2</sub>. Dry Chemical</b>			
SPECIAL FIRE FIGHTING PROCEDURES			

**UNUSUAL FIRE AND EXPLOSION HAZARDS**

**Flammable Liquid**

\*PLEASE DO NOT USE GENERALIZATIONS, SUCH AS PETROLEUM HYDROCARBONS, ALCOHOL, KETONES.  
USE SPECIFIC CHEMICAL NAMES, SUCH AS METHANOL, BENZENE, PERCHLOROETHYLENE.

## SECTION V: HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE

200 PRM Recommended

EFFECTS OF OVEREXPOSURE

Irritation of skin, eyes, or respiratory tract

EMERGENCY AND FIRST AID PROCEDURES

Remove from vapors, irrigate eyes with water, wash skin with soap and water

## SECTION VI: REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	

INCOMPATIBILITY (MATERIALS TO AVOID)

HAZARDOUS DECOMPOSITION PRODUCTS

HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	

## SECTION VII: SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Remove damaged containers, Wash with Ketone or Ester solvents

WASTE DISPOSAL METHOD

## SECTION VIII: SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (SPECIFY TYPE)

Adequate ventilation. Air mask

VENTILATION	LOCAL EXHAUST Adequate	SPECIAL
	MECHANICAL (GENERAL)	OTHER

PROTECTIVE GLOVES

Yes

EYE PROTECTION

Yes

OTHER PROTECTIVE EQUIPMENT

Protective clothing

## SECTION IX: SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Do not store above 100°F. Do not store near heat or flame

OTHER PRECAUTIONS

Requires ICC Red Label

PREPARED BY

DATE

2/17/72

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**SECTION I: MATERIAL AND MANUFACTURER IDENTIFICATION**

MANUFACTURER'S NAME <b>DeSoto, Inc.</b>		EMERGENCY TELEPHONE NO.
ADDRESS (NUMBER, STREET, CITY, STATE AND ZIP CODE) <b>Fourth &amp; Cedar Streets, Berkeley, California 94710</b>		
CHEMICAL NAME AND SYNONYMS <b>Polyisocyanate solution</b>	TRADE NAME AND SYNONYMS <b>Polyurethan Abrasion Resistant Curing Solution</b>	
CHEMICAL FAMILY <b>Polyisocyanate</b>	FORMULA <b>910-152</b>	

**SECTION II: HAZARDOUS INGREDIENTS\***

PAINTS, PRESERVATIVES/SOLVENTS	%	TLV (UNITS)	ALLOYS AND METALLIC COATINGS	%	TLV (UNITS)
PIGMENTS			BASE METAL		
CATALYST			ALLOYS		
VEHICLE <b>Polyisocyanate (aliphatic)</b>	<b>52.2</b>		METALLIC COATINGS		
SOLVENTS <b>See below</b>	<b>47.8</b>		FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS					
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES*				%	TLV (UNITS)
<b>Solvents include: Methyl Ethyl Ketone, Cellosolve Acetate, Xylene</b>				<b>47.8</b>	

**SECTION III: PHYSICAL DATA**

BOILING POINT (°F)	<b>176</b>	SPECIFIC GRAVITY (H <sub>2</sub> O = 1)	<b>0.965</b>
VAPOR PRESSURE (mm Hg.) <b>Approx.</b>	<b>100</b>	PERCENT VOLATILE BY VOLUME (%)	<b>54.2</b>
VAPOR DENSITY (AIR = 1)		EVAPORATION RATE <b>Butyl Acetate= 1)</b>	<b>5.72</b>
SOLUBILITY IN WATER <b>Insoluble</b>			
APPEARANCE AND ODOR	<b>Clear light straw colored liquid. Ketone odor.</b>		

**SECTION IV: FIRE AND EXPLOSION HAZARD DATA**

FLASH POINT (METHOD USED) <b>22°F TOC</b>	FLAMMABLE LIMITS	<b>LeI</b>	<b>UeI</b>
EXTINGUISHING MEDIA <b>CO<sub>2</sub>, Dry chemical</b>			
SPECIAL FIRE FIGHTING PROCEDURES			

**UNUSUAL FIRE AND EXPLOSION HAZARDS**

**Flamable liquid**

\*PLEASE DO NOT USE GENERALIZATIONS, SUCH AS PETROLEUM HYDROCARBONS, ALCOHOL, KETONES.  
USE SPECIFIC CHEMICAL NAMES, SUCH AS METHANOL, BENZENE, PERCHLOROETHYLENE.

# SECTION V: HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE

100 PRM recommended

EFFECTS OF OVEREXPOSURE

Irritation of skin, eyes and respiratory tract.

EMERGENCY AND FIRST AID PROCEDURES

Wash skin with soap and water. Irrigate eyes with water.

Remove from vapors.

# SECTION VI: REACTIVITY DATA

STABILITY	UNSTABLE	X	CONDITIONS TO AVOID Excessive moisture, alcohols, amines.
	STABLE		

INCOMPATIBILITY (MATERIALS TO AVOID)

HAZARDOUS DECOMPOSITION PRODUCTS

None

HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	

# SECTION VII: SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Remove damaged containers. Clean with Ketone solvents

WASTE DISPOSAL METHOD

# SECTION VIII: SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (SPECIFY TYPE)

Adequate ventilation. Air mask

VENTILATION	LOCAL EXHAUST	Adequate ventilation	SPECIAL
	MECHANICAL (GENERAL)		OTHER

PROTECTIVE GLOVES

Yes

EYE PROTECTION

Yes

OTHER PROTECTIVE EQUIPMENT

Protective clothing

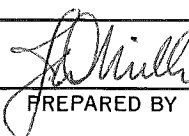
# SECTION IX: SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Do not store above 100°F. Do not store near heat or flame.

OTHER PRECAUTIONS

Required ICC Red Label

 Technical Supervisor  
 PREPARED BY DATE 2/18/72